

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13R		Page 1 of 7
Title: Commodity Specific Requirements for Asparagus		
Revision: 2	Replaces: 04/01/02	Effective: 06/01/02

1. Purpose:

To provide a listing of PDP identified required compounds for asparagus.

2. Scope:

This standard operating procedure shall be followed by all laboratories analyzing asparagus for PDP. This SOP shall be used in conjunction with QC-13 which identifies commodity groupings for selected/single screens, validation purposes, and approved process controls.

3. Outline of Procedure:

- 5.1 Compounds Required for Asparagus Multi Residue Screens
- 5.2 Required Selected/Single Residue Screens for Asparagus
- 5.3 Marker Pesticides for Asparagus Multi and Selected/Single Residue Screens

4. References:

- PDP Program Plan July – December 2001
- PDP 2000-2001 Program Planning Meeting, April 26, 2000
- SOP PDP-QC-13, “Required Compounds, Commodity Groups, and Marker Pesticides”, revision 8, October 1, 2001
- Pesticide Chemical News Guide
- Federal/State Meeting, October 26-28, 1999

5. Specific Procedures:

This standard operating procedure (SOP) represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13R		Page 2 of 7
Title: Commodity Specific Requirements for Asparagus		
Revision: 2	Replaces: 04/01/02	Effective: 06/01/02

5.1 Compounds Required for Asparagus Multi Residue Screens

Asparagus Compound	Reported As	Pest Code
Acephate ¹		204
Carbaryl		102
Chlorothalonil		164
Chlorpyrifos		160
Cyfluthrin		781
DDE	DDE o,p'	911
	and/or DDE p,p'	910
	or DDE (total combined)	300
Deltamethrin ²		612
Dichlorvos (DDVP)		338
Dieldrin ¹		028
Dimethoate		171
Disulfoton		117
Disulfoton sulfone		216
Fenamiphos		236
Fenamiphos sulfone		745
Fenvalerate/Esfenvalerate	Fenvalerate	546
	And Esfenvalerate	714
	Or Fenvalerate (total combined)	546
Fonofos		163
Heptachlor epoxide		143
Lindane		050
Linuron		129
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methamidophos ¹		170
Methomyl		159

1 Required only on samples received by CA1 from CA and MD. Analysis by FL1 on samples received CO, FL, MI, NY, OH, TX, WA, and WI. is not required.

2 Required only on samples received by FL1 from CO, FL, MI, NY, OH, TX, WA, and WI. Analysis by CA1 on samples received from CA and MD is not required.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13R		Page 3 of 7
Title: Commodity Specific Requirements for Asparagus		
Revision: 2	Replaces: 04/01/02	Effective: 06/01/02

Asparagus Compound	Reported As	Pest Code
Methoxychlor	Methoxychlor p,p'	275
	or Methoxychlor (total combined)	055
Metribuzin		181
Myclobutanil		679
Napropamide		594
Norflurazon		596
Norflurazon desmethyl		720
Omethoate		178
o-Phenylphenol		083
Permethrin	Permethrin cis	222
	And Permethrin trans	223
	Or Permethrin (total combined)	539
Resmethrin		556
Simazine		149
Terbacil		152
Trifluralin		151
Triforine ²		915

5.2 Required Selected/Single Residue Screens for Asparagus

Compound	Reported As	Pest Code	Lab
Spinosad	Spinosad	ABB	FL1
	Or Spinosad	ABC	
	And Spinosad D	ABD	

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13R		Page 4 of 7
Title: Commodity Specific Requirements for Asparagus		
Revision: 2	Replaces: 04/01/02	Effective: 06/01/02

5.3 Marker Pesticides for Asparagus Multi and Selected/Single Residue Screens

a. Multiresidue Fruit and Vegetables

Carbaryl	DDE p,p'	Dimethoate
Methamidophos	Methomyl	Permethrin
Terbacil		

b. Selected/single analyte residue studies utilize the selected analyte as the marker pesticide.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13R		Page 5 of 7
Title: Commodity Specific Requirements for Asparagus		
Revision: 2	Replaces: 04/01/02	Effective: 06/01/02

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05/15/02

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**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13R		Page 6 of 7
Title: Commodity Specific Requirements for Asparagus		
Revision: 2	Replaces: 04/01/02	Effective: 06/01/02

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13R		Page 7 of 7
Title: Commodity Specific Requirements for Asparagus		
Revision: 2	Replaces: 04/01/02	Effective: 06/01/02

Revision 2

May 2002

Monitoring Programs Office

- Exempted FL1 from methamidophos testing requirements